

PATENT NUMBER

U.S. **UTILITY** Patent Application

<div> <div>✓ 11</div> <div>SCANNED</div> </div> <div> <div>O.I.P.E</div> <div>11-11-11</div> <div>QA</div> </div>	PATENT DATE
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APPLICATION NO.	CONT. PRIOR.	CLASS	SUBCLASS	ART UNIT	EXAMINER
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<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS Sheets Draw Figs. Draw Print Fig		CLAIMS ALLOWED	
			Total Claims	Print Claim for O.G.
The term of this patent subsequent to date has been disclaimed	_____ _____ _____		NOTICE OF ALLOWANCE MAILED	

			ISSUE FEE	
The term of this patent has expired a day(s) on the expiration date of this Patent	_____ _____ _____		Amount Due	Date Paid

The terminal month(s) of this patent have been disclaimed	_____ _____ _____		ISSUE BATCH NUMBER	
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PTO-436A

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$$E_{\text{tot}} = E_{\text{kin}} + E_{\text{pot}} = \frac{1}{2}mv^2 + \frac{1}{2}kx^2 = \frac{1}{2}m\omega^2 A^2 \cos^2(\omega t) + \frac{1}{2}kA^2 \sin^2(\omega t) = \frac{1}{2}m\omega^2 A^2$$